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PTO/SB/08a (08-03)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 2

Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Richard L. Giroux
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Submission Date	September 17, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
<i>[Signature]</i>	A1	US-5,845,722	12-08-1998	Makohl et al.	
<i>[Signature]</i>	A2	US-5,148,875	09-22-1992	Karlsson et al.	
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			
	A12	US-			
	A13	US-			
	A14	US-			
	A15	US-			
	A16	US-			
	A17	US-			
	A18	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Number-Kind Code ² (if known)				
<i>[Signature]</i>	B1	FR 2 841 293	12-26-2003	Bouygues Offshore		
<i>[Signature]</i>	B2	GB 2 372 765	09-04-2002	Head		
<i>[Signature]</i>	B3	WO 00/50730	08-31-2000	Tessari		
	B4					
	B5					

Examiner

Date Considered

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/772,217
				Filing Date	February 2, 2004
				First Named Inventor	Richard L. Giroux
				Group Art Unit	3672
				Examiner Name	Unknown
				Attorney Docket Number	WEAT/0344
				Sheet 2	of 2

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Examiner

Date Considered

10/24/05

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Giroux et al.
Group Art Unit	3672
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		Number-Kind Code ² (if known)			
	A1	US-6742606 B2	06/01/2004	Melcalfe, et al.	
	A2	US-6702040 B1	03/09/2004	Sensenig	
	A3	US-6668937	12/30/2003	Murray	
	A4	US6634430	10/21/2003	Dawson et al.	
	A5	US-6547017 B1	04/15/2003	Vail, III	
	A6	US-6543552 B1	04/08/2003	Melcalfe, et al.	
	A7	US-6536993 B2	03/25/2003	Strong, et al.	
	A8	US-6457532 B1	10/01/2002	Simpson	
	A9	US-6263987 B1	07/24/2001	Vail, III	
	A10	US-6216533 B1	04/17/2001	Woloson, et al.	
	A11	US-6189616 B1	02/20/2001	Gano, et al.	
	A12	US-6186233 B1	02/13/2001	Brunet	
	A13	US-6155360	12/05/2000	McLeod	
	A14	US-6135208	10/24/2000	Gano, et al.	
	A15	US-6098717	08/08/2000	Bailey et al.	
	A16	US-6070671	06/06/2000	Cumming et al.	
	A17	US-6035953	03/14/2000	Rear	
	A18	US-6024169	02/15/2000	Haugen	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	DE 3 213 464	10/13/1983	Reimer		
	B2	DE 4 133 802	10/22/1992	Andrejewski		
	B3	EP 0 235 105	09/02/1987	Kjell-Oue		
	B4	EP 0 265 344	04/27/1988	Legendre		
	B5	EP 0 462 618	12/27/1991	Karlsson		

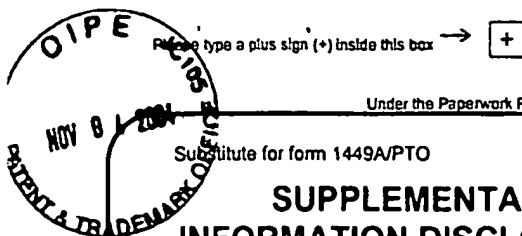
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**SUPPLEMENTAL
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Sheet 2

27

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Filing Date	February 2, 2004
First Named Inventor	Giroux et al.
Group Art Unit	3672
Examiner Name	Unknown
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	November 2, 2004

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		Number-Kind Code ² (if known)			
	A19	US-5887668	03/30/1999	Haugen et al.	
	A20	US-5887655	03/30/1999	Haugen, et al.	
	A21	US-5836409	11/17/1998	Vail, III	
	A22	US-5826651	10/27/1998	Lee, et al.	
	A23	US-5803666	09/08/1998	Keller	
	A24	US-5787978	08/04/1998	Carter, et al.	
	A25	US-5785132	07/28/1998	Richardson, et al.	
	A26	US-5717334	02/10/1998	Vail, III, et al.	
	A27	US-5706905	01/13/1998	Barr	
	A28	US-5615747	04/01/1997	Vail, III	
	A29	US-5575344	11/19/1996	Wireman	
	A30	US-5560440	10/01/1996	Tibbitts	
	A31	US-5553679	09/10/1996	Thorp	
	A32	US-5546317	10/10/1995	Hood, III, et al.	
	A33	US-5526880	06/18/1996	Jordan, Jr., et al.	
	A34	US-5520255	05/28/1996	Barr et al.	
	A35	US-5477925	12/26/1995	Trahan, et al.	
	A36	US-5458209	10/17/1995	Hayes, et al.	
	A37	US-5435400	07/25/1995	Smith	
	A38	US-5402856	04/04/1995	Warren, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)				
	B6	EP 0 554 568	08/11/1993	Tibbitts, et al.		
	B7	EP 0 961 007	12/06/1999	Gano, et al.		
	B8	EP 1 006 260	06/07/2000	Fincher, et al.		
	B9	GB 2 335 217	09/15/1999	Desai		

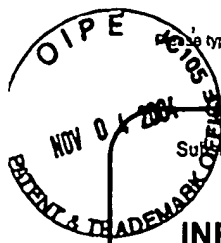
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Date Considered

10/21/05

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3

of 27

Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Giroux et al.
Group Art Unit	3672
Examiner Name	Unknown
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		Number-Kind Code ² (if known)			
2	A39	US-5361859	11/08/1994	Tibbitts	
	A40	US-5322127	06/21/1991	McNair et al.	
	A41	US-5318122	06/07/1994	Murray, et al.	
	A42	US5181571	01/27/1993	Mueller	
	A43	US-5109924	05/05/1992	Jurgens, et al.	
	A44	US-5052483	10/01/1991	Hudson	
	A45	US-4904119	02/27/1990	Legendre, et al.	
	A46	US-4848469	07/18/1989	Baugh et al.	
	A47	US-4836299	06/06/1989	Bodine	
	A48	US-4825947	05/02/1989	Mikolajczyk	
2	A49	US-4699224	10/13/1987	Burton	
	A50	US-4681158	07/21/1987	Pennison	
	A51	US-4620600	11/04/1986	Persson	
	A52	US-4604818	08/12/1996	Inoue	
	A53	US4595058	06/17/1986	Nations	
	A54	US-4515045	05/07/1985	Gnatchenko, et al.	
	A55	US-4489793	12/25/1984	Boren	
	A56	US-4483399	11/20/1984	Colgate	
	A57	US-4466498	08/21/1984	Bardwell	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
2	B10	GB 1 469 661	04/06/1977	Swobda, et al.		
	B11	GB 1 277 461	06/03/1972			
	B12	GB 1 448 304	09/02/1976			
	B13	GB 1 582 392	01/07/1981			

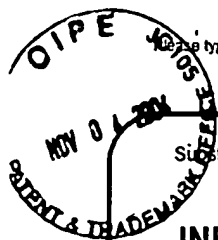
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		Number-Kind Code ² (if known)			
✓	A58	US-4446745	05/08/1994	Stone, et al.	
	A59	US-4396076	08/02/1983	Inoue	
	A60	US-4396077	09/12/1981	Radtke	
	A61	US-4274778	06/23/1981	Putnam, et al.	
	A62	US-4221269	09/09/1980	Hudson	
	A63	US-4189185	02/19/1980	Kammerer, Jr., et al.	
	A64	US-4186628	02/05/1990	Bonnice	
	A65	US-4100981	07/18/1978	Chaffin	
	A66	US-4083405	04/11/1978	Shirley	
	A67	US-3934660	01/27/1976	Nelson	
	A68	US-3901331	08/26/1975	Djurovic	
	A69	US-3785193	01/15/1974	Kinley et al.	
	A70	US-3700048	10/24/1972	Desmoulins	
	A71	US-3691624	09/19/1972	Kinley	
	A72	US-3669190	06/13/1972	Sizer et al.	
	A73	US-3624760	11/30/1971	Bodine	
✓	A74	US-3575245	04/20/1971	Cordary, et al.	
	A75	US-3489220	01/13/1970	Kinley	
	A76	US3387893	06/11/1968	Hoever	

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✓	B14	GB 2 053 088	02/04/1981	Gebhart		
	B15	GB 2 201 912	09/14/1988	Dinsdale		
	B16	GB 2 313 860	02/10/1997	Lee		
	B17	GB 2 320 270	06/17/1998	Arnell, et al.		
✓	B18	GB 2 333 542	07/28/1999	Kirk		

Examiner

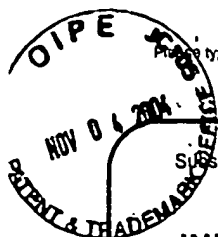
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	A77	US-3353599	11/21/1967	Swift	
	A78	US-3191680	06/29/1965	Vincent	
	A79	US-3191677	06/29/1965	Kinley	
	A80	US-3169592	02/26/1965	Kammerer	
	A81	US-3102599	09/03/1963	Hillburn	
	A82	US-3087546	04/30/1963	Wooley	
	A83	US-2805043	09/03/1957	Williams	
	A84	US-2765146	10/02/1956	Williams	
	A85	US-2764329	09/25/1956	Hampton	
	A86	US-2743087	04/24/1956	Layne, et al.	
	A87	US-2663073	12/22/1953	Bieber et al.	
	A88	US-2641444	06/09/1953	Moon	
	A89	US-2627891	02/10/1953	Clark	
	A90	US-2499630	03/07/1950	Clark	
	A91	US-2324679	07/20/1943	Cox	
	A92	US2295803	09/15/1940	O'Leary	
	A93	US-2216895	10/08/1940	Stokes	
	A94	US-2060352	11/11/1936	Stokes	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B19	GB 2 365 463	02/20/2002	Giancarlo		
	B20	GB 2 382 361	05/28/2003	Hewson, et al.		
	B21	GB 2 216 926	10/18/1989	Haloid		
	B22	GB 2 348 223	09/27/2000	Cook, et al.		

Examiner

Date Considered

10/24/05

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number 10/772,217

Filing Date February 2, 2004

First Named Inventor Giroux et al.

Group Art Unit 3672

Examiner Name Unknown

Attorney Docket Number WEAT/0344

Sheet 6 of 27

Submission Date November 2, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A95	US-2049450	08/04/1936	Johnson	
	A96	US-2017451	10/15/1935	Wickersham	
	A97	US-1981525	11/20/1934	Price	
	A98	US-1880218	10/04/1932	Simmons	
	A99	US-1342424	06/08/1920	Cotten	
	A100	US-1301285	04/22/1919	Leonard	
	A101	US1185582	05/30/1916	Bignell	
	A102	US-2004/0069501	04/15/2004	Haugen et al.	
	A103	US-2003/0217865	11/27/2003	Simpson, et al.	
	A104	US-2003/0146023	08/07/2003	Pia	
	A105	US-2003/0141111	07/31/2004	Pia	
	A106	US-2003/0111267	06/19/2003	Pia	
	A107	US-2003/0056991	03/27/2003	Hahn, et al.	
	A108	US-2002/0079102	06/27/2002	Dewey, et al.	
	A109	US-2002/0040787	4/11/2002	Cook, et al.	
	A110	US-2001/0002626	6/7/2001	Frank, et al.	
	A111	US-5833002	11/10/1998	Holcombe	
	A112	US-5615747	04/01/1997	Vail, III	
	A113	US-5375668	12/27/1994	Hallundbaek	
	A114	US-5197553	03/30/1993	Letumo	
	A115	US-4962822	01/16/1990	Pascale	
	A116	US-4960173	10/02/1990	Cognevich, et al.	
	A117	US-4651837	03/24/1987	Mayfield	
	A118	US-3603411	09/07/1971	Link	
	A119	US-3552508	01/05/1971	Brown	

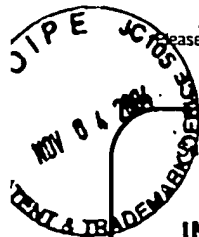
FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B23	GB 540 027	10/02/1941			
	B24	GB 7 928 86	04/12/1958			
	B25	GB 8 388 33	06/22/1960			
	B26	GB 9 977 21	07/07/1965	Garnier, et al.		

Examiner

Date Considered

10/24/05



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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Giroux et al.
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Submission Date	November 2, 2004

Sheet 7 of 27

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ² -Number ³ -Kind Code ⁵ (if known)				
	B27	USSR 112631	01/10/1956	Barshai, et al.		
	B28	USSR 1304470	08/31/1984	Gelfat, et al.		
	B29	USSR 1808972	05/22/1991	Voroshbitov, et al.		
	B30	USSR 247162	05/10/1967	Barshai, et al.		
	B31	USSR 395557	12/30/1971	Barshai, et al.		
	B32	USSR 415346	03/03/1972	Barshai, et al.		
	B33	USSR 461218	04/23/1973	Barshai, et al.		
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	B36	USSR 581238	02/23/1976	Barshai, et al.		
	B37	USSR 583278	08/30/1974	Barshai, et al.		
	B38	USSR 585266	07/26/1974	Barshai, et al.		
	B39	USSR 601390	01/12/1976	Barshai, et al.		
	B40	USSR 655843	03/22/1977	Barshai, et al.		
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	B43	USSR 899820	06/29/1979	Alikin, et al.		
	B44	USSR 955765	02/09/1981	Gelfat, et al.		
	B45	WO 00/37766	06/29/2000	Simpson, et al.		
	B46	WO 01/83932	11/08/2001	Tulloch		
	B47	WO 90/06418	06/14/1990	Schulze-Bechinghausen		
	B48	WO 92/01139	01/23/1992	Nobilequ		
	B49	WO 92/18743	10/29/1992	Pietras		
	B50	WO 92/20899	11/26/1992	Ellis		
	B51	WO 93/24728	12/09/1993	Simpson		

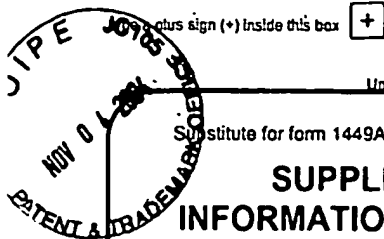
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**SUPPLEMENTAL
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STATEMENT BY APPLICANT**

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Sheet 8

of 27

Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Giroux et al.
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Submission Date	November 2, 2004

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B52	WO 95/10686	04/20/1995	Lorenz, et al.		
	B53	WO 96/28635	09/19/1996	Strong, et al.		
	B54	WO 98/09053	03/05/1998	Murray, et al.		
	B55	WO 99/23354	05/14/1999	Metcalfe		
	B56	WO 99/37881	07/29/1999	Kirk, et al.		
	B57	WO 99/50528	10/07/1999	Kuck, et al.		
	B58	WO 99/64713	12/16/1999	Wardley		
	B59	WO 99/11902	03/11/1999	Hollingsworth		
	B50	FR 2053088	07/20/1970	Gottwald		
	B72	WO 00/08293	02/17/2000	Van Drentham-Susman		
	B73	WO 91/16520	10/31/1991	Hallundbaek		
	B74					
	B75					
	B76					
	B77					
	B78					

Examiner

Date Considered

10/24/05

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**SUPPLEMENTAL
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Sheet 9

of 27

Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Giroux et al.
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Submission Date	November 2, 2004

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>[initials]</i>	C1	HAHN, ET AL., "Simultaneous Drill and Case Technology - Case Histories, Status and Options for Further Development," Society of Petroleum Engineers, IADC/SPE Drilling Conference, New Orleans, LA Feb. 23-25, 2000 pp. 1-9.	
<i>[initials]</i>	C2	M.B. STONE and J. SMITH, "Expandable Tubulars and Casing Drilling are Options" Drilling Contractor, January/February 2002, pp. 52.	
<i>[initials]</i>	C3	M. GELFGAT, "Retractable Bits Development and Application" Transactions of the ASME, Vol. 120, June (1998), pp. 124-130.	
	C4	"First Success with Casing-Drilling" Word Oil, February (1999), pp. 25.	
	C5	DEAN E. GADDY, Editor, "Russia Shares Technical Know-How with U.S." Oil & Gas Journal, March (1999), pp. 51-52 and 54-56.	
	C6	United States Patent Application 10/794,800, filed March 5, 2004 (WEAT/0360)	
	C7	United States Patent Application 10/832,804, filed April 27, 2004 (WEAT/0383.P1)	
	C8	United States Patent Application 10/795,214, filed March 5, 2004 (WEAT/0373)	
	C9	United States Patent Application 10/794,795, filed March 5, 2004 (WEAT/0357)	
	C10	United States Patent Application 10/775,048, filed February 9, 2004 (WEAT/0359)	
	C11	United States Patent Application 10/772,217, filed February 2, 2004 (WEAT/0344)	
<i>[initials]</i>	C12	United States Patent Application 10/788,976, filed February 27, 2004 (WEAT/0372)	

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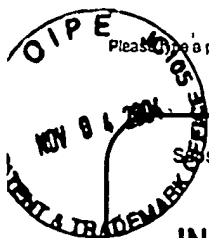
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**SUPPLEMENTAL
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STATEMENT BY APPLICANT**

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Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Giroux et al.
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Submission Date	November 2, 2004

Sheet 10

of 27

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C13	United States Patent Application 10/794,797, filed March 5, 2004 (WEAT/0371)	
	C14	United States Patent Application 10/767,322, filed January 29, 2004 (WEAT/0343)	
	C15	United States Patent Application 10/795,129, filed March 5, 2004 (WEAT/0366)	
	C16	United States Patent Application 10/794,790, filed March 5, 2004 (WEAT/0329)	
	C17	United States Patent Application 10/162,302, filed June 4, 2004 (WEAT/0410)	
	C18	Rotary Steerable Technology – Technology Gains Momentum, Oil & Gas Journal, 12/28/1998	
	C19	Directional Drilling, M. Mims, World Oil, May 1999, pp. 40-43	
	C20	Multilateral Classification System w/Example Applications, Alan MacKenzie & Cliff Hogg, World Oil, Jan. 1999, pp. 55-61	
	C21		
	C22		
	C23		
	C24		

Examiner

Date Considered

10/24/05

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 11

of 27

Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Giroux et al.
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Submission Date	November 2, 2004

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
✓	A120	6,591,471	07-15-2003	Hollingsworth et al.			
	A121	6,554,064	04-29-2003	Restarick et al.			
	A122	6,538,576	03-25-2003	Schultz et al.			
	A123	6,536,520	03-25-2003	Snider et al.			
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	A135	6,412,554	07-02-2002	Allen et al.			
	A136	6,408,943	06-25-2002	Schultz et al.			
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	A138	6,397,946	06-04-2002	Vail, III			
	A139	6,378,630	04-30-2002	Ritorto et al.			
	A140	6,378,627	04-30-2002	Tubel et al.			
	A141	6,374,924	04-23-2002	Hanton et al.			
✓	A142	6,371,203	04-16-2002	Frank et al.			

Examiner

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Date Considered

10/24/05

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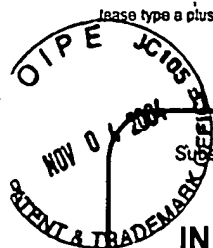
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 12

of 27

Application Number 10/772,217

Filing Date February 2, 2004

First Named Inventor Giroux et al.

Group Art Unit 3672

Examiner Name Unknown

Attorney Docket Number WEAT/0344

Submission Date November 2, 2004

U.S. Patent Documents

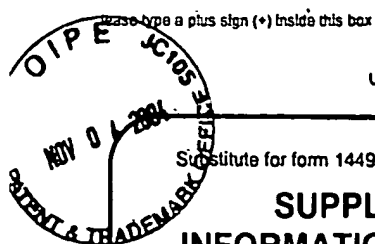
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
<i>[Signature]</i>	A143	6,359,569	03-19-2002	Beck et al.			
	A144	6,357,485	03-19-2002	Quigley et al.			
	A145	6,343,649	02-05-2002	Beck et al.			
	A146	6,325,148	12-04-2001	Trahan et al.			
	A147	6,315,051	11-13-2001	Ayling			
	A148	6,311,792	11-06-2001	Scott et al.			
	A149	6,296,066	10-02-2001	Terry et al.			
	A150	6,263,987	07-24-2001	Vail, III			
	A151	6,234,257	05-22-2001	Ciglenec et al.			
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	A156	6,182,776	02-06-2001	Asberg			
	A157	6,172,010	01-09-2001	Argillier et al.			
	A158	6,170,573	01-09-2001	Brunet et al.			
	A159	6,158,531	12-12-2000	Vail, III			

Examiner *[Signature]*

Date Considered

10/24/05

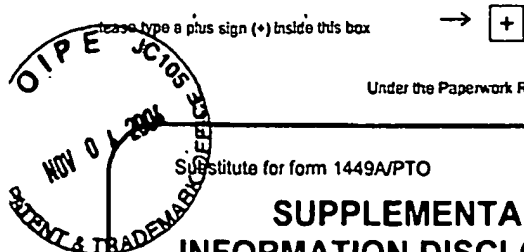
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Substitute for form 1449A/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/772,217
		Filing Date	February 2, 2004
		First Named Inventor	Giroux et al.
		Group Art Unit	3672
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0344
Sheet 13	of 27	Submission Date	November 2, 2004

U.S. Patent Documents							
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
/	A160	6,119,772	09-19-2000	Pruet			
	A161	6,065,550	05-23-2000	Gardes			
	A162	6,062,326	05-16-2000	Strong et al.			
	A163	6,061,000	05-09-2000	Edwards			
	A164	6,059,053	05-09-2000	McLeod			
	A165	6,059,051	05-09-2000	Jewkes et al.			
	A166	6,026,911	02-22-2000	Angle et al.			
	A167	6,000,472	12-14-1999	Albright et al.			
	A168	5,971,079	10-26-1999	Mullins			
	A169	5,957,225	09-28-1999	Sinor			
	A170	5,950,742	09-14-1999	Caraway			
	A171	5,947,213	09-07-1999	Angle et al.			
	A172	5,931,231	08-03-1999	Mock			
	A173	5,921,332	07-13-1999	Spedale, Jr.			
	A174	5,921,285	07-13-1999	Quigley et al.			
	A175	5,913,337	06-22-1999	Williams et al.			
	A176	5,908,049	06-01-1999	Williams et al.			
	A177	5,894,897	04-20-1999	Vail, III			
A178	5,890,549	04-06-1999	Sprehe				
A179	5,890,537	04-06-1999	Lavaure et al.				
A180	5,860,474	01-19-1999	Stoltz et al.				
/	A181	5,845,722	12-08-1998	Makohl et al.			
Examiner <i>[Signature]</i>					Date Considered 10/24/05		
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Giroux et al.
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Submission Date	November 2, 2004

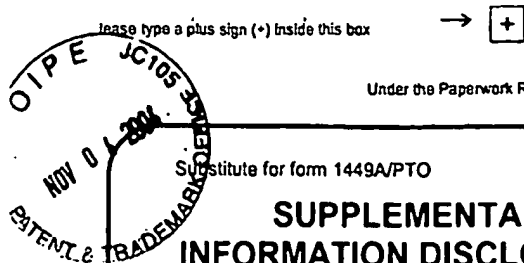
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*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
<i>[Signature]</i>	A182	5,842,530	Smith et al.			
	A183	5,839,519	Spedale, Jr.			
	A184	5,839,330	Stokka			
	A185	5,829,520	Johnson			
	A186	5,828,003	Thomeer et al.			
	A187	5,785,134	McLeod et al.			
	A188	5,746,276	Stuart			
	A189	5,743,344	McLeod et al.			
	A190	5,735,348	Hawkins, III			
	A191	5,732,776	Tubel et al.			
	A192	5,720,356	Gardes			
	A193	5,711,382	Hansen et al.			
	A194	5,667,026	Lorenz et al.			
	A195	5,667,023	Harrell et al.			
	A196	5,662,182	McLeod et al.			
	A197	5,662,170	Donovan et al.			
	A198	5,661,888	Hanslik			
	A199	5,651,420	Tibbitts et al.			
	A200	5,584,343	Coone			
	A201	5,582,259	Barr			
<i>[Signature]</i>	A202	5,560,437	Dickel et al.			

Examiner *[Signature]* Date Considered 10/24/05

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of 27

Application Number 10/772,217

Filing Date February 2, 2004

First Named Inventor Giroux et al.

Group Art Unit 3672

Examiner Name Unknown

Attorney Docket Number WEAT/0344

Submission Date November 2, 2004

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
<i>[initials]</i>	A203	5,551,521	09-03-1996	Vail, III			
<i>[initials]</i>	A204	5,547,029	08-20-1996	Rubbo et al.			
<i>[initials]</i>	A205	5,535,838	07-16-1996	Keshavan et al.			
<i>[initials]</i>	A206	5,535,824	07-16-1996	Hudson			
<i>[initials]</i>	A207	5,497,840	03-12-1996	Hudson			
<i>[initials]</i>	A208	5,472,057	12-05-1995	Winfrey			
<i>[initials]</i>	A209	5,452,923	09-26-1995	Smith			
<i>[initials]</i>	A210	5,386,746	02-07-1995	Hauk			
<i>[initials]</i>	A211	5,379,835	01-10-1995	Streich			
<i>[initials]</i>	A212	5,368,113	11-29-1994	Schulze-Beckinghausen			
<i>[initials]</i>	A213	5,355,967	10-18-1994	Mueller et al.			
<i>[initials]</i>	A214	5,354,150	10-11-1994	Canales			
<i>[initials]</i>	A215	5,353,872	10-11-1994	Wittrisch			
<i>[initials]</i>	A216	5,343,950	09-06-1994	Hale et al.			
<i>[initials]</i>	A217	5,332,048	07-26-1994	Underwood et al.			
<i>[initials]</i>	A218	5,323,858	06-28-1994	Jones et al.			
<i>[initials]</i>	A219	5,320,178	06-14-1994	Cornette			
<i>[initials]</i>	A220	5,305,830	04-26-1994	Wittrisch			
<i>[initials]</i>	A221	5,297,833	03-29-1994	Willis et al.			
<i>[initials]</i>	A222	5,294,228	03-15-1994	Willis et al.			

Examiner *[signature]*

Date Considered 10/24/05

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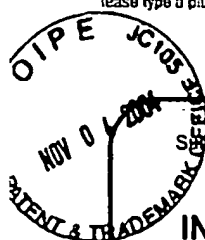


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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number 10/772,217

Filing Date February 2, 2004

First Named Inventor Giroux et al.

Group Art Unit 3672

Examiner Name Unknown

Attorney Docket Number WEAT/0344

Submission Date November 2, 2004

Sheet 16

of 27

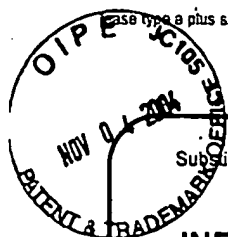
U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A223	5,291,956	03-08-1994	Mueller et al.			
	A224	5,285,204	02-08-1994	Sas-Jaworsky			
	A225	5,285,008	02-08-1994	Sas-Jaworsky et al.			
	A226	5,282,653	02-01-1994	LaFleur et al.			
	A227	5,271,472	12-21-1993	Leturno			
	A228	5,255,751	10-26-1993	Stogner			
	A229	5,255,741	10-26-1993	Alexander			
	A230	5,234,052	08-10-1993	Coone et al.			
	A231	5,197,553	03-30-1993	Leturno			
	A232	5,191,939	03-09-1993	Stokley			
	A233	5,186,265	02-16-1993	Henson et al.			
	A234	5,172,765	12-22-1992	Sas-Jaworsky			
	A235	5,168,942	12-08-1992	Wydrinski			
	A236	5,160,925	11-03-1992	Dailey et al.			
	A237	5,148,875	09-22-1992	Karlsson et al.			
	A238	5,111,893	05-12-1992	Kvello-Aune			
	A239	5,096,465	03-17-1992	Chen et al.			
	A240	5,082,069	01-21-1992	Seiler et al.			
	A241	5,074,366	12-24-1991	Karlsson et al.			
	A242	5,060,737	10-29-1991	Mohn			

Examiner

Date Considered 10/24/05

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 17

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Application Number 10/772,217

Filing Date February 2, 2004

First Named Inventor Giroux et al.

Group Art Unit 3672

Examiner Name Unknown

Attorney Docket Number WEAT/0344

Submission Date November 2, 2004

U.S. Patent Documents

*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
✓	A243	5,060,542	10-29-1991	Hauk		
	A244	5,049,020	09-17-1991	McArthur		
	A245	5,027,914	07-02-1991	Wilson		
	A246	5,022,472	06-11-1991	Bailey et al.		
	A247	4,997,042	03-05-1991	Jordan et al.		
	A248	4,962,822	10-16-1990	Pascale		
	A249	4,921,386	05-01-1990	McArthur		
	A250	4,880,058	11-14-1989	Lindsey et al.		
	A251	4,854,386	08-08-1989	Baker et al.		
	A252	4,843,945	07-04-1989	Dinsdale		
	A253	4,842,081	06-27-1989	Parant		
	A254	4,832,552	05-23-1989	Skelly		
	A255	4,813,495	03-21-1989	Leach		
	A256	4,765,416	08-23-1988	Bjerking et al.		
	A257	4,762,187	08-09-1988	Haney		
	A258	4,760,882	08-02-1988	Novak		
	A259	4,735,270	04-05-1988	Fenyvesi		
	A260	4,725,179	02-16-1988	Woolslayer et al.		
	A261	4,671,358	06-09-1987	Lindsey, Jr. et al.		
✓	A262	4,686,873	08-18-1987	Lang et al.		

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10/21/05

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 18

of 27

Application Number

10/772,217

Filing Date

February 2, 2004

First Named Inventor

Giroux et al.

Group Art Unit

3672

Examiner Name

Unknown

Attorney Docket Number

WEAT/0344

Submission Date

November 2, 2004

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A263	4,655,286	04-07-1987	Wood			
	A264	4,652,195	03-24-1987	McArthur			
	A265	4,651,837	03-24-1987	Mayfield			
	A266	4,630,691	12-23-1986	Hooper			
	A267	4,605,077	08-12-1986	Boyadjieff			
	A268	4,604,724	08-05-1986	Shaginian et al.			
	A269	4,589,495	05-20-1986	Langer et al.			
	A270	4,583,603	04-22-1986	Dorleans et al.			
	A271	4,580,631	04-08-1986	Baugh			
	A272	4,545,443	10-08-1985	Wiredal			
	A273	4,544,041	10-01-1985	Rinaldi			
	A274	4,474,243	10-02-1984	Gaines			
	A275	4,472,002	09-18-1984	Beney et al.			
	A276	4,470,470	09-11-1984	Takano			
	A277	4,463,814	08-07-1984	Horstmeyer et al.			
	A278	4,460,053	07-17-1984	Jurgens et al.			
	A279	4,440,220	04-03-1984	McArthur			
	A280	4,413,682	11-08-1983	Callihan et al.			
	A281	4,408,669	10-11-1983	Wiredal			
	A282	4,384,627	05-24-1983	Ramirez-Jauregui			
	A283	4,336,415	06-22-1982	Walling			
	A284	4,320,915	03-23-1982	Abbott et al.			
	A285	4,315,553	02-16-1982	Stallings			

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 19

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Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Giroux et al.
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Submission Date	November 2, 2004

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A285	4,287,949	09-08-1981	Lindsey, Jr.			
	A287	4,281,722	08-04-1981	Tucker et al.			
	A288	4,274,777	06-23-1981	Scaggs			
	A289	4,262,693	04-21-1981	Giebler			
	A290	4,257,442	03-24-1981	Claycomb			
	A291	4,175,619	11-27-1979	Davis			
	A292	4,173,457	11-06-1979	Smith			
	A293	4,142,739	03-06-1979	Billingsley			
	A294	4,133,396	01-09-1979	Tschirky			
	A295	4,100,968	07-18-1978	Delano			
	A296	4,085,808	04-25-1978	Kling			
	A297	4,082,144	04-04-1978	Marquis			
	A298	4,077,525	03-07-1978	Callegari et al.			
	A299	4,064,939	12-27-1977	Marquis			
	A300	4,054,426	10-18-1977	White			
	A301	4,049,066	09-20-1977	Richey			
	A302	3,980,143	09-14-1976	Swartz et al.			

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 20

of 27

Application Number 10/772,217

Filing Date February 2, 2004

First Named Inventor Giroux et al.

Group Art Unit 3672

Examiner Name Unknown

Attorney Docket Number WEAT/0344

Submission Date November 2, 2004

U.S. Patent Documents

*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A303	3,964,556	06-22-1976	Gearhart et al.		
	A304	3,945,444	03-23-1976	Knudson		
	A305	3,885,679	05-27-1975	Swoboda, Jr. et al.		
	A306	3,881,375	05-06-1975	Kelly		
	A307	3,870,114	03-11-1975	Pulk, deceased et al.		
	A308	3,840,128	10-08-1974	Swoboda, Jr. et al.		
	A309	3,838,613	10-01-1974	Wilms		
	A310	3,808,916	05-07-1974	Porter et al.		
	A311	3,747,675***	07-24-1973	Brown		
	A312	3,729,057	04-24-1973	Werner		
	A313	3,692,126	09-19-1972	Rushing et al.		
	A314	3,656,564	04-18-1972	Brown		
	A315	3,603,413	09-07-1971	Grill, et al.		
	A316	3,603,412	09-07-1971	Kammerer, Jr. et al.		
	A317	3,603,411	09-07-1971	Link		
	A318	3,559,739	02-02-1971	Hutchison		
	A319	3,570,598	03-16-1971	Johnson		
	A320	3,552,510	01-05-1971	Brown		
	A321	3,552,509	01-05-1971	Brown		
	A322	3,552,508	01-05-1971	Brown		
	A323	3,550,684	12-19-1970	Cubberly, Jr.		
	A324	3,518,903	07-07-1970	Ham, et al.		
	A325	3,392,609	07-16-1968	Bartos		
	A326	3,380,528	04-30-1968	Timmons		

Examiner

Date Considered

10/24/05

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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 21

of 27

Application Number 10/772,217

Filing Date February 2, 2004

First Named Inventor Giroux et al.

Group Art Unit 3672

Examiner Name Unknown

Attorney Docket Number WEAT/0344

Submission Date November 2, 2004

U.S. Patent Documents

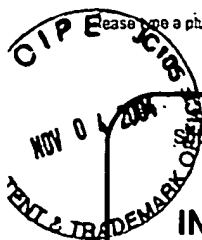
*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
A	A327	3,159,219	12-01-1964	Scott		
	A328	3,123,160	03-03-1964	Kammerer		
	A329	3,122,811	03-03-1964	Gilreath		
	A330	2,743,495	05-01-1956	Eklund		
	A331	2,738,011	03-13-1956	Mabry		
	A332	2,692,059	10-19-1954	Bolling, Jr.		
	A333	2,668,689	02-09-1954	Cormany		
	A334	2,650,314	08-25-1953	Hennigh, et al.		
	A335	2,621,742	12-16-1952	Brown		
	A336	2,610,690	09-16-1952	Beatty		
	A337	2,522,444	09-12-1950	Grable		
	A338	2,214,429	09-10-1940	Miller		
	A339	1,917,135	07-04-1933	Littell		
	A340	1,842,638	01-26-1932	Wigle		
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	A350	2002/0074127		Birckhead et al.		02/22/2001
	A351	2002/0066556		Goode et al.		08/02/2001

Examiner

Date Considered

10/24/05

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 22

of 27

Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Giroux et al.
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Submission Date	November 2, 2004

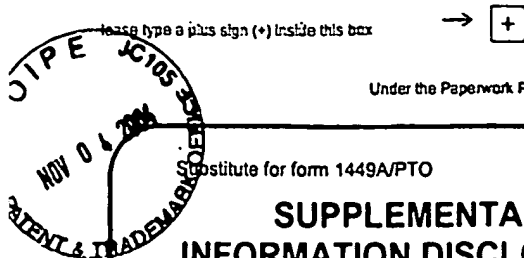
U.S. Patent Documents

*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A352	2001/0047883	Hanton et al.			02/18/2000
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Examiner

Date Considered 10/2/04

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/772,217		
		Filing Date	February 2, 2004		
		First Named Inventor	Giroux et al.		
		Group Art Unit	3672		
		Examiner Name	Unknown		
		Attorney Docket Number	WEAT/0344		
Sheet	23	of	27	Submission Date	November 2, 2004

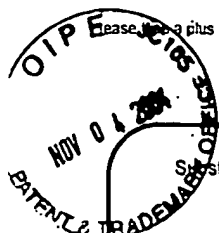
Foreign Patent Documents

*Examine r Initial		Document Number	Date	Country	Class	Subclass	Translation	
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✓	B74	WO 02/086287	10-31-2002	WIPO	E21B	47/01	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	B79	WO 01/46550	06-28-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B80	WO 01/12946	02-22-2001	WIPO	E21B	19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	B83	WO 00/37771	06-29-2000	WIPO	E21B	43/10	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	B87	WO 00/05483	02-03-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B88	WO 98/55730	12-10-1998	WIPO	E21B	23/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B89	WO 97/08418	03-06-1997	WIPO	E21B	4/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	B91	EP 1 050 661	11-08-2000	EP	E21B	7/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B92	EP 0 571 045	08-19-1998	EP	E21B	7/06	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	B94	SU 1618870	01-07-1991	Russia	E21B	33/14	<input type="checkbox"/>	<input checked="" type="checkbox"/>
✓	B95	WO 96/28635	09-19-1996	WIPO	E21B	17/14	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 24

of 27

Application Number

10/772,217

Filing Date

February 2, 2004

First Named Inventor

Giroux et al.

Group Art Unit

3672

Examiner Name

Unknown

Attorney Docket Number

WEAT/0344

Submission Date

November 2, 2004

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Initial

Including Author, Title, Date, Pertinent Pages, Etc.

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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Filing Date	February 2, 2004
First Named Inventor	Giroux et al.
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Submission Date	November 2, 2004

Sheet	25	of	27
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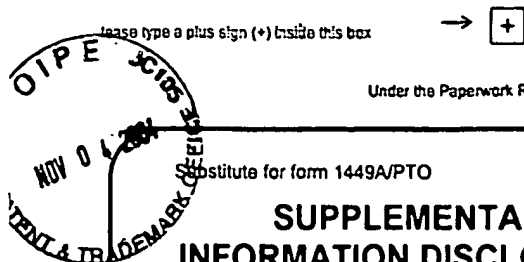
OTHER ART

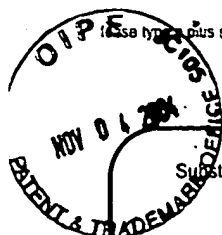
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Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Giroux et al.
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Submission Date	November 2, 2004

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of 27

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Date Considered 10/24/05

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Richard L. Giroux et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Customer No.	36735
Submission Date	

Sheet 1

of 12

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	A1	US-2,167,338	07-25-1939	Murcell	
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		Number-Kind Code ² (if known)				
	B1	CA 2 335 192	11-30-2001	Kozak		
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	B4	EP 0 474 481	03-11-1992	Moody		
	B5	EP 0 087 373	08-31-1983	Plaquin		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Richard L. Giroux et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Customer No.	36735

Sheet 2

of 12

Submission Date

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Number-Kind Code ² (if known)				
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First Named Inventor	Richard L. Giroux et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
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		Number-Kind Code ² (if known)			
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Number-Kind Code ² (if known)				
<i>a</i>	B11	EP 0 589 823	03-03-1994	Busink, et al.		
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	B14	EP 0 881 354	04-24-1998	Vercaemen, et al.		
	B15	EP 0 962 384	12-08-1999	Poldervaart		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Richard L. Giroux et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Customer No.	36735
Submission Date	

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A55	US-4,646,827	03-03-1987	Cobb	
	A56	US-4,649,777	03-17-1987	Buck	
	A57	US-4,667,752	05-26-1987	Berry, et al.	
	A58	US-4,676,312	06-30-1987	Mosing, et al.	
	A59	US-4,683,962	08-04-1987	True	
	A60	US-4,691,587	09-08-1987	Farrand, et al.	
	A61	US-4,709,599	12-01-1987	Buck	
	A62	US-4,709,766	12-01-1987	Boyadjieff	
	A63	US-4,738,145	04-19-1988	Vincent, et al.	
	A64	US-4,742,876	05-10-1988	Barthelemy, et al.	
	A65	US-4,759,239	07-26-1988	Hamilton, et al.	
	A66	US-4,765,401	08-23-1988	Boyadjieff	
	A67	US-4,773,689	09-27-1988	Wolters	
	A68	US-4,775,009	10-04-1988	Wittrisch, et al.	
	A69	US-4,781,359	11-01-1988	Matus	
	A70	US-4,788,544	11-29-1988	Howard	
	A71	US-4,791,997	12-20-1988	Krasnov	
	A72	US-4,793,422	12-27-1988	Krasnov	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Number-Kind Code ² (if known)				
	B16	EP 1 256 691	11-13-2002	Hawkins, et al.		
	B17	FR 2 841 293	12-26-2003	Bouygues Offshore		
	B18	GB 2 115 940	09-14-1983	Plaquin		
	B19	GB 2 224 481	09-05-1990	Voeten		
	B20	GB 2 275 486	04-15-1993	Eiane, et al.		

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Group Art Unit	3672
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U.S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	A73	US-4,800,968	01-31-1989	Shaw, et al.	
	A74	US-4,806,928	02-21-1989	Veneruso	
	A75	US-4,813,493	03-21-1989	Shaw, et al.	
	A76	US-4,836,064	06-06-1989	Slator	
	A77	US-4,867,236	09-19-1989	Haney, et al.	
	A78	US-4,878,546	11-07-1989	Shaw, et al.	
	A79	US-4,901,069	02-13-1990	Veneruso	
	A80	US-4,936,382	06-26-1990	Thomas	
	A81	US-4,962,579	10-16-1990	Moyer, et al.	
	A82	US-5,009,265	04-23-1991	Bailey, et al.	
	A83	US-5,036,927	08-06-1991	Willis	
	A84	US-5,141,063	08-25-1992	Quesenbury	
	A85	US-5,176,518	01-05-1993	Hordijk, et al.	
	A86	US-5,191,932	03-09-1993	Seefried, et al.	
	A87	US-5,224,540	07-06-1993	Streich, et al.	
	A88	US-5,233,742	08-10-1993	Gray, et al.	
	A89	US-5,245,265	09-14-1993	Clay	
	A90	US-5,251,709	10-12-1993	Richardson	

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		Number-Kind Code ² (if known)				
	B21	GB 2 294 715	08-05-1996	Tibbitts		
	B22	GB 2 349 401	11-01-2000	Roberts, et al.		
	B23	GB 2 352 747	07-02-2001	Davis, et al.		
	B24	GB 2 357 530	06-27-2001	Schulze-Beckinghausen		
	B25	GB 2 372 765	09-04-2002	Head		

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Filing Date	February 2, 2004
First Named Inventor	Richard L. Giroux et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
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U.S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	A91	US-5,271,468	12-21-1993	Streich, et al.	
	A92	US-5,305,839	04-26-1994	Kalsi, et al.	
	A93	US-5,332,043	07-26-1994	Ferguson	
	A94	US-5,351,767	10-04-1994	Stogner, et al.	
	A95	US-5,388,651	02-14-1995	Berry	
	A96	US-5,394,823	03-07-1995	Lenze	
	A97	US-5,433,279	07-18-1995	Tassari, et al.	
	A98	US-5,494,122	02-27-1996	Larsen, et al.	
	A99	US-5,501,286	03-26-1996	Berry	
	A100	US-5,503,234	04-02-1996	Clanton	
	A111	US-5,540,279	07-30-1996	Branch, et al.	
	A112	US-5,542,472	08-06-1996	Pringle, et al.	
	A113	US-5,542,473	08-06-1996	Pringle, et al.	
	A114	US-5,553,672	09-10-1996	Smith, Jr., et al.	
	A115	US-5,577,566	11-26-1996	Albright, et al.	
	A116	US-5,645,131	07-08-1997	Trevisani	
	A117	US-5,706,894	01-13-1998	Hawkins, III	
	A118	US-5,791,410	08-11-1998	Castille, et al.	

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		Number-Kind Code ² (if known)				
	B26	GB 709 365	05-19-1954	Standard Oil Development		
	B27	GB 716 761	10-13-1954	Standard Oil Development		
	B28	GB 881 358	11-01-1961	Kammerer, et al.		
	B29	GB 2 350 137	11-22-2000	Baugh, et al.		
	B30	RU 2 079 633	05-20-1997	Abdrakhmanov		

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First Named Inventor	Richard L. Giroux et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Customer No.	36735

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[Handwritten mark]	A119	US-5,803,191	09-08-1998	Mackintosh	
	A120	US-5,813,456	09-29-1998	Milner, et al.	
	A121	US-5,836,395	11-17-1998	Budde	
	A122	US-5,839,515	11-24-1998	Yuan, et al.	
	A123	US-5,850,877	12-22-1998	Albright, et al.	
	A124	US-5,907,664	05-25-1999	Wang, et al.	
	A125	US-5,909,768	06-08-1999	Castille, et al.	
	A126	US-5,971,086	10-26-1999	Bee, et al.	
	A127	US-5,984,007	11-16-1999	Yuan, et al.	
	A128	US-5,988,273	11-23-1999	Monjure, et al.	
	A129	US-6,056,060	05-02-2000	Abrahamsen, et al.	
	A130	US-6,070,500	06-06-2000	Diask, et al.	
	A131	US-6,079,498	06-27-2000	Lima, et al.	
	A132	US-6,079,509	06-27-2000	Bee, et al.	
	A133	US-6,142,545	11-07-2000	Penman, et al.	
	A134	US-6,161,617	12-19-2000	Gjedebo	
[Handwritten mark]	A135	US-6,173,777	01-16-2001	Mullins	
	A136	US-6,199,641	03-13-2001	Downie, et al.	

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		Number-Kind Code ² (if known)				
[Handwritten mark]	B31	WO 00/39429	07-06-2000	Pietras		
	B32	WO 00/39430	07-06-2000	Pietras		
	B33	WO 00/46484	08-10-2000	Van Buren, et al.		
	B34	WO 00/66879	11-09-2000	Hawkins, et al.		
	B35	WO 02/081863	10-17-2002	Simpson, et al.		

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First Named Inventor	Richard L. Giroux et al
Group Art Unit	3672
Examiner Name	Unknown
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		Number-Kind Code ² (if known)			
	A137	US-6,223,823	05-01-2001	Head	
	A138	US-6,227,587	05-08-2001	Terral	
	A139	US-6,275,938	08-14-2001	Bond, et al.	
	A140	US-6,290,432	09-18-2001	Exley, et al.	
	A141	US-6,305,469	10-23-2001	Coenen, et al.	
	A142	US-6,309,002	10-30-2001	Bouligny	
	A143	US-6,349,764	02-26-2002	Adams, et al.	
	A144	US-6,360,633	03-26-2002	Pietras	
	A145	US-6,367,566	04-09-2002	Hill	
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	A148	US-6,429,784	08-06-2002	Beique, et al.	
	A149	US-6,431,626	03-13-2002	Bouligny	
	A150	US-6,446,723	09-10-2002	Ramons, et al.	
	A151	US-6,622,796	09-23-2003	Pietras	
	A152	US-6,648,075	11-18-2003	Badrak, et al.	
	A153	US-6,688,394	02-10-2004	Aying	
	A154	US-6,691,801	02-17-2004	Juhasz, et al.	

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		Number-Kind Code ² (if known)				
	B36	WO 02/44601	06-06-2002	Appleford, et al.		
	B37	WO 03/087525	10-23-2003	Vincent, et al.		
	B38	WO 93/07358	04-15-1993	Eiane, et al.		
	B39	WO 96/18799	06-20-1996	Stokka		
	B40	WO 98/05844	02-12-1998	Stokka		

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✓	A155	US-6,698,595	03-02-2004	Norell, et al.	
	A156	US-6,725,938	04-27-2004	Pietras	
	A157	US-6,742,596	06-01-2004	Haugen	
	A158	US-6,742,606	06-01-2004	Metcalfe, et al.	
	A159	US-2002/0070842	04-17-2003	Bailey, et al.	
	A160	US-2002/0108748	08-15-2002	Keyes	
	A161	US-2003/0029641	02-13-2003	Meehan	
	A162	US-2003/0056947	03-27-2003	Cameron	
	A163	US-2003/0164250	09-04-2003	Wardley	
	A164	US-2003/0164251	09-04-2003	Tulloch	
	A165	US-2003/0173090	09-18-2003	Cook, et al.	
	A166	US-2003/0213598	11-20-2003	Hughes	
	A167	US-2004/0003944	01-08-2004	Vincent, et al.	
	A168	US-2004/000405	01-01-2004	Fournier, Jr., et al.	
	A169	US-2004/0011534	01-22-2004	Simonds, et al.	
	A170	US-2004/0060697	04-01-2004	Tilton, et al.	
	A171	US-2004/0069500	04-15-2004	Haugen	
✓	A172	US-2004/0079533	04-29-2004	Buytaert, et al.	

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		Number-Kind Code ² (if known)				
✓	B41	WO 98/11322	03-19-1998	Gjedebo		
	B42	WO 98/32948	07-30-1998	Pietras		
	B43	WO 99/35368	07-15-1999	Lohbeck, et al.		
	B44	WO 99/41485	08-19-1999	Pietras		
✓	B45	WO 99/58810	11-18-1999	Abrahamsen, et al.		

Examiner

Date Considered

10/24/05

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Richard L. Giroux et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344
Customer No.	36735
Submission Date	

Sheet 10

of 12

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A173	US-2004/0108142	06-10-2004	Vail, III	
	A174	US-2004/0112646	06-17-2004	Vail	
	A175	US-2004/0118613	06-24-2004	Vail	
	A176	US-2004/0123984	07-01-2004	Vail	
	A177	US-2004/0124015	07-01-2004	Vaile, et al.	
	A178	US-2004/0129456	07-08-2004	Vail	
	A179	US-2004/0140128	07-22-2004	Vail	
	A180	US-2004/0173358	09-09-2004	Haugen	
	A181	US-2004/0216925	11-04-2004	Metcalf, et al.	
	A182	US-2004/0112646	06-17-2004	Vail	
	A183	US-Re 34,063	09-15-1992	Vincent, et al.	
	A184	US-			
	A185	US-			
	A186	US-			
	A187	US-			
	A188	US-			
	A189	US-			
	A190	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Number-Kind Code ² (if known)				
	B46	FR 2741907	06-06-1997	Leighton		
	B47					
	B48					
	B49					
	B50					

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number 10/772,217

Filing Date February 2, 2004

First Named Inventor Richard L. Giroux et al

Group Art Unit 3672

Examiner Name Unknown

Attorney Docket Number WEAT/0344

Customer No. 36735

Sheet 11

of 12

Submission Date

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		DETLEF HAHN, FRIEDHELM MAKOHL, and LARRY WATKINS, Casing-While Drilling System Reduces Hole Collapse Risks, Offshore, Pages 54, 56, and 59, February 1998	
		YAKOV A. GELFGAT, MIKHAIL Y. GELFGAT and YURI S. LOPATIN, Retractable Drill Bit Technology – Drilling Without Pulling Out Drillpipe, Advanced Drilling Solutions Lessons From the FSU; June 2003; Vol. 2, pps. 351-464	
		TOMMY WARREN, SPE, BRUCE HOUTCHENS, SPE, GARRET MADELL, SPE, Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC Drilling Conference 2003	
		LaFleur Petroleum Services, Inc., "Autoseal Circulating Head," Engineering Manufacturing, 1992, 11 Pages	
		Valves Wellhead Equipment Safety Systems, W-K-M Division, ACF Industries, Catalog 80, 1980, 5 Pages	
		Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages	
		The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997	
		MIKE KILLALEA, Portable Top Drives: What's Driving The Market?, IADC, Drilling Contractor, September 1994, 4 Pages	
		500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages	

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/772,217		
		Filing Date	February 2, 2004		
		First Named Inventor	Richard L. Giroux et al		
		Group Art Unit	3672		
		Examiner Name	Unknown		
		Attorney Docket Number	WEAT/0344		
		Customer No.	36735		
Sheet	12	of	12	Submission Date	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
~		500 or 650 HCIS Top Drive, Powerful Hydraulic Compact Top Drive Drilling System, TESCO Drilling Technology, April 1998, 2 Pages	
~		Product Information (Sections 1-10) CANRIG Drilling Technology, Ltd., September 18, 1996	

Examiner

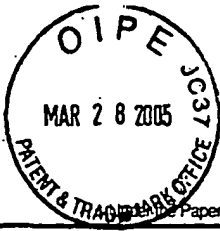
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PTO/SB/08b(08-03)

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Richard L. Giroux
Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344.P1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>a</i>		PCT Search Report, International Application No. PCT/US2004/003164, dated February 2, 2005	

Examiner
Signature*Richard L. Giroux*

Date

Considered

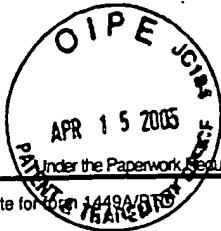
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of

2

Complete If Known

Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Richard L. Giroux
Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0344.P1

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-6,857,487	02-22-2005	Galloway	
		US- 6,857,486	02-22-2005	Chitwood, et al.	
		US- 6,854,533	02-15-2005	Galloway	
		US- 6,848,517	02-01-2005	Wardley	
		US-6,840,322	01-11-2005	Haynes	
		US-6,752,211	06-22-2004	Dewey, et al.	
		US-6,745,834	06-08-2004	Davis, et al.	
		US-6,725,924	04-27-2004	Davidson, et al.	
		US-6,708,769	03-23-2004	Haugen, et al.	
		US-6,668,684	12-30-2003	Allen, et al.	
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		US-6,464,011	10-15-2002	Tubel	
		US-6,458,471	10-01-2002	Lovato, et al.	
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Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		EP 0479583	04-08-1992	Gonzalez, et al.		
		EP 1148206	10-24-2001	Scott, et al.		
		GB 2381809	05-14-2003	Ohmer		
		GB 2347445	09-06-2000	Metcalfe, et al.		
		WO 99/24689	05-20-1999	Collins		
		WO 99/04135	01-28-1999	Collins		
		WO 97/05360	02-13-1997	Collins		
		WO 03/074836	09-12-2003	Philip		

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		Filing Date	February 2, 2004
		First Named Inventor	Richard L. Giroux
		Art Unit	3672
		Examiner Name	Unknown
Sheet 2 of 2	Attorney Docket Number	WEAT/0344.P1	

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		Number - Kind Code ² (if known)			
		US-6,237,684	05-29-2001	Boulligny, Jr., et al.	
		US- 6,217,258	04-17-2001	Yamamoto, et al.	
		US- 6,012,529	01-11-2000	Mikolajczyk, et al.	
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		US- 4,962,819	10-16-1990	Bailey, et al.	
		US- 3,760,894	09-25-1973	Pitüfer	
		US- 2,978,047	04-04-1961	DeVaau	
		US- 2005-0000691	01-06-2005	Giroux, et al.	
		US- 2004-0262013	12-30-2004	Tilton, et al.	
		US- 2004-0251055	12-16-2004	Shahin, et al.	
		US- 2004-0251050	12-16-2004	Shahin, et al.	
		US- 2004-0251025	12-16-2004	Giroux, et al.	
		US- 2004-0245020	12-09-2004	Giroux, et al.	
		US- 2004-0244992	12-09-2004	Carter, et al.	
		US- 2004-0226751	11-18-2004	McKay, et al.	
		US- 2004-0221997	11-11-2004	Giroux, et al.	
		US- 2004-0216924	11-04-2004	Pietras, et al.	
		US- 2004-0216892	11-04-2004	Giroux, et al.	
		US-2004-0016575	01-29-2004	Shahin, et al.	

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Examiner Signature		Date Considered	10/24/05
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